

ELECTRONIC TUBE REFERENCE

5785

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Extremely low-filament-power subminiature high-voltage half-wave rectifier for compact battery equipment. Its tiny heater demand and multi-kilovolt capability prioritize portability and efficiency over output current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5785	BASE PINS	–
NOMINAL HEATER	1.25 V / 15 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	0.1 mA
PEAK INVERSE VOLTAGE	3500 V
NOMINAL OUTPUT CURRENT	0.1 mA
PEAK FORWARD CURRENT	0.45 mA
FORWARD VOLTAGE DROP	17 V
Directly heated subminiature half-wave high-voltage rectifier.	

Directly heated subminiature high-voltage diode rectifier for low-current battery-operated equipment.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	0.1 mA	HalfWave
Peak current	0.45 mA	HalfWave
Peak inverse voltage	3500 V	HalfWave SupplyImpedanceAtLeast1Megohm

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	17 V	At0.1mADC